

SEMICONDUCTOR DEVICES AND METHODS FOR FABRICATING THE SAME

5 Related Application

6/21/05
This application is a divisional of U.S. application serial number
now U.S. Pat. 6,660,589,
10/321,077, filed on December 17, 2002, which relies for priority upon Korean
Patent Application No. 01-81319, filed on December 19, 2001, the contents of
which are herein incorporated by reference in their entirety.

10

Field of the Invention

The present invention relates to semiconductor devices and methods for
fabricating the same and, more particularly, to semiconductor devices
including nonvolatile memory transistors, resistors, and mask ROMs
15 (MROMs) and methods for fabricating the same.

Background of the Invention

Like identification cards, credit cards, and electronic cash, applications
of smart cards having multiple functions have been on the increase. Smart
20 cards not only store data of users and transactions, but also include programs
adequate for inherent functionality. Smart cards therefore comprise
semiconductor devices having both nonvolatile memory transistors for
recording and storing data and MROMs for storing program data. In addition,